

## CLAIMS

1. A remote communication system for use with a vehicle, comprising:

- 5 a first communication unit (1), located within a vehicle (2), said first communication unit comprising a first transceiver (3), connectable with a long-distance wireless communication network (16), such as a cellular network (16); and
- 10 a second portable communication unit (7), comprising a second transceiver (9), connectable with a unit for long-distance wireless communication (14), such as a cellular terminal,
- whereby said first and second communication units (1,7)
- 15 are connectable with each other using said long-distance wireless communication network (16), thereby establishing a remote two-way communication link between said communication units (1,7).

2. A remote communication system according to claim 20 1, wherein said second communication unit (7) is connectable with said unit for long-distance communication (14) using a short-distance wireless communication link (20).

3. A remote communication system according to claim 2, wherein said second communication unit (7) is a fob 25 unit.

4. A remote communication system according to claim 1, wherein said second communication unit (7) is integrated with a cellular telephone terminal (14).

5. A remote communication system in accordance with 30 any one of the preceding claims, wherein said second communication unit (7) further comprises a biometric sensor (18), for identifying a user.

6. Remote communication system according to any one of the preceding claims, wherein a direct two-way wireless communication link (8) is established between said 35 first and second transceivers (3,9) when said communica-

tion units are within a communication range from each other.

7. A remote communication system according to any one of the preceding claim, wherein said first communication unit (1) further comprises a first memory circuit (4) being connected with said first transceiver (3), and said second communication unit (7) further comprises a second memory circuit (10) being connected with said second transceiver (9), whereby an information item, stored in any one of said memory circuits is transmittable to the other one of said memory circuits, over said direct communication link (8) when established.

8. A remote communication system according to any one of the preceding claims, wherein said first and second communication units (1,7) each comprises an identification device, whereby a request for connection from any communication unit is tested to be qualified before enabling a connection between said communication units.

9. A remote communication system according to any one of the preceding claims, wherein said first communication unit (1) is connected with at least one vehicle data network (6), such as a controller area network within said vehicle (2).

10. A remote communication system according to any one of the preceding claims, wherein said first communication unit (1) is connected with a vehicle computer (5) within said vehicle (2).

11. A fob unit, for use in a remote communication system according to any one of the claims 1-10.